

Abstract Of The Disclosure

Apparatus and methods are provided for use in filtering emboli from a vessel such as the ascending aorta, wherein a vascular device comprises a support hoop having an articulation region connected near a distal end of an elongated member, a blood permeable sac affixed to the support hoop so that the support hoop forms a mouth of the blood permeable sac, a guide wire, and a delivery sheath. The articulation region comprises a reduced thickness region of the support hoop that prevents kinks from forming in the support hoop when the apparatus is contracted to its delivery state, and curved regions that close the mouth of the sac to prevent material escaping from the sac when the apparatus is collapsed for removal.